



What Plants Need

Plants only need light, air and water to grow. They grow well in brightly lit, warm places. Think of the plants in the Rainforest - this is paradise for $\frac{1}{14}$!

LIGHT

If there is $\frac{8}{10}$ enough light, plants die because the leaves cannot make food. Plants grow towards the $\frac{4}{10}$.

AIR

Plants need the air to make food. They use carbon dioxide from the $\frac{13}{9}$ plus water from the roots and energy from $\frac{2}{11}$ sun to make a $\frac{12}{7}$ food.

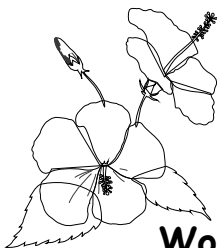
WATER

Roots draw up water from the $\frac{6}{5}$, it travels up the stems to the leaves. Otherwise plants couldn't grow.

TEMPERATURE

Plants grow better in warm places. In $\frac{5}{3}$ countries like Iceland, plants grow very $\frac{3}{5}$.

Use the word bank below to find out the name we use to describe how plants make food.



 1 2 3 4 5 6 7 8 9 10 11 12 13 14

Word Bank

cold soil not plants light the air slowly sugary



Flower Facts

The first flowering plant - probably a magnolia - appeared on the Planet about 160 million years ago!! So next time you see the beautiful flowers of the magnolia tree in the spring - just remember that!

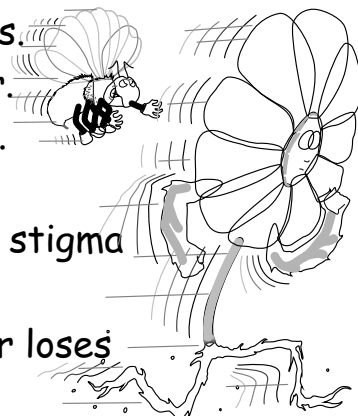
The petals of the flowers are bright and often smell good to attract insects. They climb into the flower looking for nectar. The pollen from the carpels sticks to them. So when they visit another flower, the pollen from the first flower is carried to the stigma of the next flower - this is called pollination.

After pollination, the petals and the reproductive parts of the flower fall away and only the seed capsule is left.

The seeds find their way to the ground (wind, birds) ready to grow into a new flower.

Now find out which sentences are true or false and which word is the correct one.

1. The magnolia is probably the world's oldest flowering plant.
2. The petals attract squirrels.
3. The insects look for nectar.
4. Pollen sticks to the insects.
5. The insects eat the pollen.
6. Insects carry pollen to the stigma of the next flower.
7. After pollination the flower loses its petals.



	TRUE	FALSE
1.	I	F
2.	L	N
3.	S	O
4.	E	W
5.	E	C
6.	T	R
7.	S	S

The correct word is _____



Cherries, Ripe Cherries ...

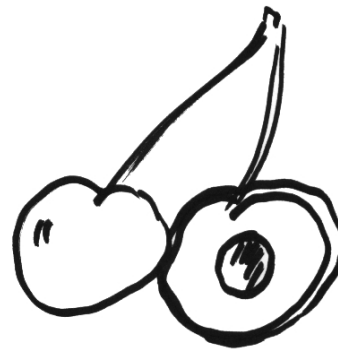
A fruit grows inside the ovary of a parent fruit, just like a baby grows inside its mother. Inside a fruit there can be many seeds (or pips), or one single stone which contains the seed.

Cherries are the fruit of the cherry tree. After the flowers have been pollinated (fertilized), the fruit starts to develop. First the flower withers and some parts become dry and fall off. But in the centre, the ovary gets bigger and bigger and grows into a cherry.

The cherry is a fruit with one seed - a "stone" - in the middle.

Label the three parts:

- the smooth outer skin
- the red, juicy fruit flesh
- the stone.



Find the fruits hidden in the word-search below!


















Colour the fruits which have a "stone" BLUE.

A	P	R	I	K	O	S	E	S	Z
D	V	T	R	A	N	A	N	A	B
A	A	O	P	E	A	R	G	X	M
T	P	I	C	H	E	R	R	Y	U
E	P	H	C	A	E	P	A	W	L
U	L	P	E	A	D	O	P	F	P
S	E	G	N	A	R	O	E	M	S
H	E	L	P	P	A	E	N	I	P

- | | |
|-----------|-------|
| AVOCADO | GRAPE |
| CHERRY | APPLE |
| PINEAPPLE | |
| PLUM | PEAR |
| BANANA | DATE |
| ORANGE | PEACH |



Biology Quiz Cards

<p>Name five plant parts.</p> 	<p>What does the stem do?</p> 	<p>What do the roots do?</p> 
<p>What is in the bud?</p> 	<p>Why are flowers brightly coloured?</p> 	<p>Name a male part of a flower.</p> 
<p>Name a female part of a flower.</p> 	<p>What is the seedbox of a flower called?</p> 	<p>What do the sepals do?</p> 
<p>What is a carpel?</p> 	<p>What flower part attract insects?</p> 	<p>Which parts produce pollen?</p> 
<p>What is a pistil?</p> 	<p>What is a stamen?</p> 	<p>What is an ovary?</p> 
<p>Which part of the plant makes food?</p> 	<p>Do leaves make food by day or at night?</p> 	<p>What holds plants in the ground?</p> 